

10/607563

Paul's search

=> b reg

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STRUCTURE FILE UPDATES: 21 SEP 2006 HIGHEST RN 908228-18-2
DICTIONARY FILE UPDATES: 21 SEP 2006 HIGHEST RN 908228-18-2

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

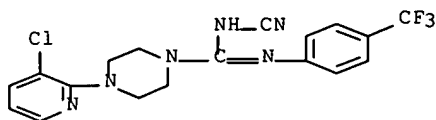
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d ide can 117 tot

L17 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 642457-84-9 REGISTRY
ED Entered STN: 28 Jan 2004
CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-
(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)
MF C18 H16 Cl F3 N6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



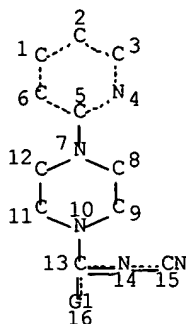
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:94064

=> d que sta 122

L20 STR



VAR G1=N/O/S
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
 L22 8 SEA FILE=REGISTRY SSS FUL L20

100.0% PROCESSED 218 ITERATIONS 8 ANSWERS
 SEARCH TIME: 00.00.01

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 FILE 'HCAPLUS' ENTERED AT 14:29:53 ON 22 SEP 2006
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 FILE LAST UPDATED: 21 Sep 2006 (20060921/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

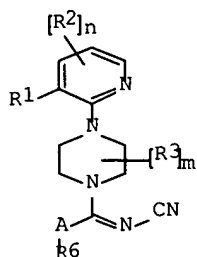
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr retable l32 tot

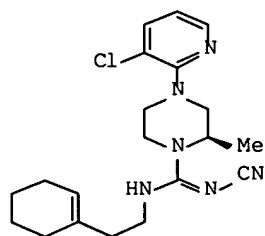
L32 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:20683 HCAPLUS Full-text
 DN 140:94064
 TI Preparation of cyanoiminopiperazines for treating pain
 IN Kyle, Donald J.; Sun, Qun; Tafesse, Laykea;
 Zhang, Chongwu; Zhou, Xiaoming
 PA Euro-Celtique, S. A., Luxembourg

SO PCT Int. Appl., 287 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO2004002983	A2	20040108	2003WO-US20509	20030627 <--
	WO2004002983	A3	20040318		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA---2491079	AA	20040108	2003CA-2491079	20030627 <--
	AU2003247829	A1	20040119	2003AU-0247829	20030627 <--
	US2004106625	A1	20040603	2003US-0607563	20030627 <--
	BR2003012322	A	20050412	2003BR-0012322	20030627 <--
	EP---1556354	A2	20050727	2003EP-0762220	20030627 <--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	CN---1678585	A	20051005	2003CN-0820137	20030627 <--
	JP2005535731	T2	20051124	2004JP-0549842	20030627 <--
	NO2005000371	A	20050317	2005NO-0000371	20050124 <--
PRAI	2002US-391962P	P	20020628	<--	
	2002US-411030P	P	20020917	<--	
	2002US-413148P	P	20020925	<--	
	2002US-416582P	P	20021008	<--	
	2003WO-US20509	W	20030627		
OS	MARPAT 140:94064				
GI					



I



II

AB The title compds. [I; A = NR₄, O, S; R₁ = halo, Me, NO₂, CN, etc.; R₂ = halo, CN, alkyl, aryl, etc.; R₃ is not defined; R₄ = alkyl, alkoxy; R₆ = Ph, naphthyl, cycloalkyl, etc.; n = 0-3; m = 0-2], useful for treating or preventing pain, urinary incontinence, ulcer, inflammatory bowel disease, irritable bowel syndrome, addictive disorder, Parkinson's disease, parkinsonism, anxiety, epilepsy, stroke, seizure, a pruritic condition, psychosis, cognitive disorder, memory deficit, restricted brain function, Huntington's chorea, amyotrophic lateral sclerosis, dementia, retinopathy, muscle spasm, migraine, vomiting, dyskinesia or depression in an animal, were prepared Thus, reacting 2-(1-cyclohexenyl)ethylamine with diphenylcyanocarbodimide in 2-methoxyethyl ether followed by addition of (R)-1-(3-chloropyridin-2-yl)-3-methylpiperazine afforded II which showed IC₅₀ of 59.4±13.1 nM in capsaicin-based VR1 assay. Ths compds. I were tested for binding to mGluR5, mGluR1, and to VR1. The pharmaceutical composition comprising the compound I is claimed.

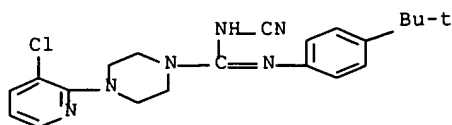
IT 642457-82-7P 642457-83-8P 642457-84-9P
 642457-85-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of cyanoiminopiperazines for treating pain)

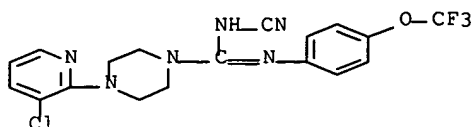
RN 642457-82-7 HCAPLUS

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(1,1-dimethylethyl)phenyl]- (9CI) (CA INDEX NAME)



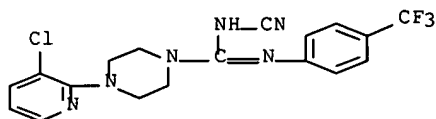
RN 642457-83-8 HCAPLUS

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-84-9 HCAPLUS

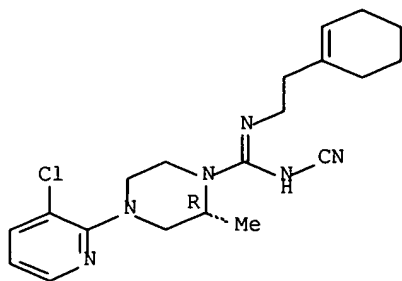
CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-85-0 HCAPLUS

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[2-(1-cyclohexen-1-yl)ethyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L32 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:171686 HCAPLUS [Full-text](#)

DN 136:232324

TI Preparation of antiviral and antimicrobial substituted guanidines or biguanidines
 IN Shetty, B. Vithal
 PA USA
 SO PCT Int. Appl., 148 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO2002017916	A1	20020307	2001WO-US26150	20010822
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US---6699989 B1 20040302 2000US-0649014 20000828 AU2001086604 A5 20020313 2001AU-0086604 20010822 EP---1406619 A1 20040414 2001EP-0966061 20010822 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR US2004132993 A1 20040708 2003US-0720441 20031125				
PRAI	2000US-0649014	A1	20000828		
	2001WO-US26150	W	20010822		
OS	MARPAT 136:232324				
GI					

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Guanidine and biguanidine derivs. of formulas I-V [X = B or CRB; R = H or alkyl and B = (un)substituted alkyl, alkyl-X1-alkyl where X1 = O, S, sulfoxide, tris(2-aminoethyl)amine, N optionally substituted with NHC(NH)NHC(NH)A, (un)substituted heterocycle, (un)substituted-aryl, -cyclohexane, etc.; A = independently H, CN, amino, quinolone, azaquinolone, morpholine, (un)substituted piperazine, (un)substituted aminoadamantane, etc.; Z = C(NH)NHC(NH)A; X2 = (un)substituted-alkyl, -aryl, -heterocycle, or bond; X3 = (CH2)_n where n = 1-5; Y1 and Y2 independently = (un)substituted-alkyl, -aryl, -heterocycle, or bond; T = H, alkyl, (un)substituted-aryl, -heterocycle; m = 0-12; p = 0-8] are prepared and disclosed as anti-viral and anti-bacterial agents. Thus, VI was prepared via substitution of 7-chloro-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-quinoline carboxylic acid with piperazine and subsequent addition to hexamethylene bis(cyanoguanidine). VI was found active against HIV at concns. greater than 3.2µg/mL in peripheral blood mononuclear cell assay. Also disclosed are pharmaceutical compns. containing I-V as an active ingredient, and anti-viral and anti-bacterial methods utilizing such compds.

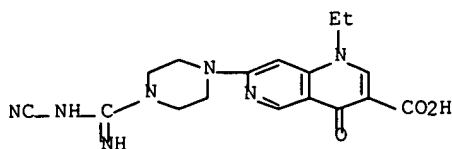
IT 402930-32-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(target compound; preparation of antiviral and antimicrobial substituted guanidine or biguanidines)

RN 402930-32-9 HCAPLUS

CN 1,6-Naphthyridine-3-carboxylic acid, 7-[4-[(cyanoamino)iminomethyl]-1-piperazinyl]-1-ethyl-1,4-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Harris, R	1981	34	623	Australian Journal of	HCAPLUS

L32 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:205054 HCAPLUS Full-text

DN 110:205054

TI 5-(1-Piperazinyl)-1H-1,2,4-triazol-3-amines as antihypertensive agents

AU Meyer, Walter E.; Tomcufcik, Andrew S.; Chan, Peter S.; Haug, Margie

CS Lederle Lab., Am. Cyanamid Co., Pearl River, NY, 10965, USA

SO Journal of Medicinal Chemistry (1989), 32(3), 593-7

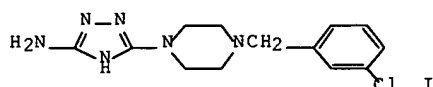
CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

OS CASREACT 110:205054

GI



AB A series of 5-(1-piperazinyl)-1H-1,2,4-triazol-3-amines was synthesized and screened for antihypertensive and diuretic activity in spontaneously hypertensive rats (SHR). One compound, 5-[4-[(3-chlorophenyl)methyl]-1-piperazinyl]-1H-1,2,4-triazol-3-amine (I), was selected to define the mechanism of its antihypertensive activity. Studies in spontaneously hypertensive rats suggest ganglionic blocking activity. Short-lived antihypertensive activity was observed in conscious renal hypertensive dogs. Structure-activity relationships are discussed. None of the prepared and tested compds. had diuretic activity.

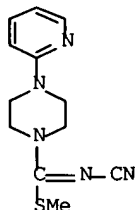
IT 118630-52-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction with hydrazine hydrate)

RN 118630-52-7 HCAPLUS

CN 1-Piperazinecarboximidioic acid, N-cyano-4-(2-pyridinyl)-, methyl ester (9CI) (CA INDEX NAME)



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FILE 'USPATFULL' ENTERED AT 14:30:20 ON 22 SEP 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:30:20 ON 22 SEP 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> d bib abs hitstr 128 tot

L28 ANSWER 1 OF 3 USPATFULL on STN

AN 2004:172829 USPATFULL Full-text

TI Antiviral and antimicrobial guanidine or biguanidine derivatives

IN Shetty, B. Vithal, Germantown, MD, UNITED STATES

PI US2004132993 A1 20040708

AI 2003US-0720441 A1 20031125 (10)

RLI Continuation of Ser. No. 2000US-0649014, filed on 28 Aug 2000, GRANTED,
Pat. No. US---6699989

DT Utility

FS APPLICATION

LREP ROTHWELL, FIGG, ERNST & MANBECK, P.C., 1425 K STREET, N.W., SUITE 800,
WASHINGTON, DC, 20005

CLMN Number of Claims: 21

ECL Exemplary Claim: 1

DRWN 4 Drawing Page(s)

LN.CNT 1575

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are guanidine and biguanidine derivatives which have anti-viral and anti-bacterial activity. Also disclosed are pharmaceutical compositions containing such compounds as an active ingredient, and anti-viral and anti-bacterial methods utilizing such compounds.

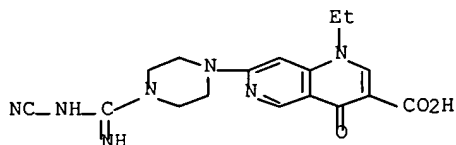
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 402930-32-9P

(target compound; preparation of antiviral and antimicrobial substituted
guanidine or biguanidines)

RN 402930-32-9 USPATFULL

CN 1,6-Naphthyridine-3-carboxylic acid, 7-[4-[(cyanoamino)iminomethyl]-1-piperazinyl]-1-ethyl-1,4-dihydro-4-oxo- (9CI) (CA INDEX NAME)



L28 ANSWER 2 OF 3 USPATFULL on STN

AN 2004:139449 USPATFULL Full-text

TI Therapeutic agents useful for treating pain

IN Kyle, Donald J., Newtown, PA, UNITED STATES

Sun, Qun, Princeton, NJ, UNITED STATES

Tafesse, Laykea, Robbinsville, NJ, UNITED STATES

Zhang, Chongwu, Dayton, NJ, UNITED STATES

Zhou, Xiaoming, Plainsboro, NJ, UNITED STATES

PI US2004106625 A1 20040603

AI 2003US-0607563 A1 20030627 (10)

PRAI 2002US-391962P 20020628 (60)

2002US-411030P 20020917 (60)

2002US-413148P 20020925 (60)

2002US-416582P 20021008 (60)

DT Utility

FS APPLICATION

LREP JONES DAY, 51 Louisiana Aveue, N.W, WASHINGTON, DC, 20001-2113
CLMN Number of Claims: 236
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 8691
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A compound of formula: ##STR1##

wherein A, Ar, R.sup.3, R.sup.6, and m are disclosed herein, or a pharmaceutically acceptable salt thereof (a "Cyanoiminopiperazine Compound"), compositions comprising an effective amount of a Cyanoiminopiperazine Compound, and methods for treating or preventing pain, urinary incontinence, an ulcer, inflammatory-bowel disease, irritable-bowel syndrome, an addictive disorder, Parkinson's disease, parkinsonism, anxiety, epilepsy, stroke, a seizure, a pruritic condition, psychosis, a cognitive disorder, a memory deficit, restricted brain function, Huntington's chorea, amyotrophic lateral sclerosis, dementia, retinopathy, a muscle spasm, a migraine, vomiting, dyskinesia or depression in an animal comprising administering to an animal in need thereof an effective amount of a Cyanoiminopiperazine Compound are disclosed.

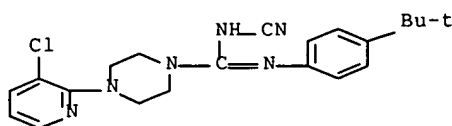
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 642457-82-7P 642457-83-8P 642457-84-9P
642457-85-0P

(preparation of cyanoiminopiperazines for treating pain)

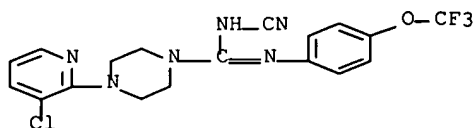
RN 642457-82-7 USPTFULL

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(1,1-dimethylethyl)phenyl]- (9CI) (CA INDEX NAME)



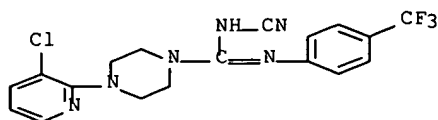
RN 642457-83-8 USPTFULL

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-84-9 USPTFULL

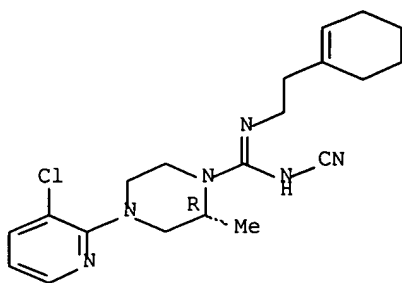
CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-85-0 USPTFULL

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[2-(1-cyclohexen-1-yl)ethyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L28 ANSWER 3 OF 3 USPATFULL on STN

AN 2004:53414 USPATFULL Full-text

TI Antiviral and antimicrobial guanidine or biguanidine derivatives

IN Shetty, B. Vithal, 14438 Long Channel Cir., Germantown, MD, United States 20874

PI US---6699989 B1 20040302

AI 2000US-0649014 20000828 (9)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Coleman, Brenda

LREP Rothwell, Figg, Ernst & Manbeck, P.C.

CLMN Number of Claims: 2

ECL Exemplary Claim: 1

DRWN 4 Drawing Figure(s); 4 Drawing Page(s)

LN.CNT 1297

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are guanidine and biguanidine derivatives which have anti-viral and anti-bacterial activity. Also disclosed are pharmaceutical compositions containing such compounds as an active ingredient, and anti-viral and anti-bacterial methods utilizing such compounds.

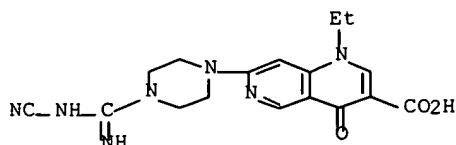
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 402930-32-9P

(target compound; preparation of antiviral and antimicrobial substituted guanidine or biguanidines)

RN 402930-32-9 USPATFULL

CN 1,6-Naphthyridine-3-carboxylic acid, 7-[4-[(cyanoamino)iminomethyl]-1-piperazinyl]-1-ethyl-1,4-dihydro-4-oxo- (9CI) (CA INDEX NAME)



=> d bib abs hitstr 127 tot

L27 ANSWER 1 OF 1 USPATFULL on STN

AN 2004:139449 USPATFULL Full-text

TI Therapeutic agents useful for treating pain

IN Kyle, Donald J., Newtown, PA, UNITED STATES
Sun, Qun, Princeton, NJ, UNITED STATES

Tafesse, Laykea, Robbinsville, NJ, UNITED STATES
Zhang, Chongwu, Dayton, NJ, UNITED STATES
Zhou, Xiaoming, Plainsboro, NJ, UNITED STATES

PI US2004106625 A1 20040603
AI 2003US-0607563 A1 20030627 (10)
PRAI 2002US-391962P 20020628 (60)
2002US-411030P 20020917 (60)
2002US-413148P 20020925 (60)
2002US-416582P 20021008 (60)
DT Utility
FS APPLICATION
LREP JONES DAY, 51 Louisiana Aveue, N.W, WASHINGTON, DC, 20001-2113
CLMN Number of Claims: 236
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 8691
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A compound of formula: ##STR1##

wherein A, Ar, R.sup.3, R.sup.6, and m are disclosed herein, or a pharmaceutically acceptable salt thereof (a "Cyanoiminopiperazine Compound"), compositions comprising an effective amount of a Cyanoiminopiperazine Compound, and methods for treating or preventing pain, urinary incontinence, an ulcer, inflammatory-bowel disease, irritable-bowel syndrome, an addictive disorder, Parkinson's disease, parkinsonism, anxiety, epilepsy, stroke, a seizure, a pruritic condition, psychosis, a cognitive disorder, a memory deficit, restricted brain function, Huntington's chorea, amyotrophic lateral sclerosis, dementia, retinopathy, a muscle spasm, a migraine, vomiting, dyskinesia or depression in an animal comprising administering to an animal in need thereof an effective amount of a Cyanoiminopiperazine Compound are disclosed.

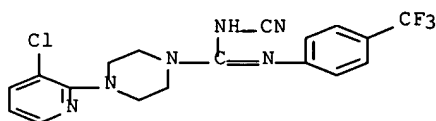
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 642457-84-9P

(preparation of cyanoiminopiperazines for treating pain)

RN 642457-84-9 USPTFULL

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 14:17:24 ON 22 SEP 2006)

FILE 'HCAPLUS' ENTERED AT 14:17:29 ON 22 SEP 2006

L1 1 US2004106625/PN OR (US2003-607563 OR US2002-411030# OR US2002-3
E KYLE D/AU
L2 203 E3-10,E26-32
E SUN Q/AU
L3 289 E3-15
E SUN QUN/AU
L4 241 E3-14
E TAFESSE L/AU
L5 22 E3-4
E ZHANG C/AU
L6 1895 E3-26
E ZHANG CHONG/AU

L7 62 E3,E20
E ZHANG CHONGWU/AU
L8 11 E3
E ZHOU X/AU
L9 1511 E3-27
E ZHOU XIAO/AU
L10 138 E3,E57
E ZHOU XIAOMING/AU
L11 96 E3
L12 0 (EURO CHELTIQUE)/CS,PA
L13 259 (EURO CELTIQUE)/CS,PA

FILE 'REGISTRY' ENTERED AT 14:22:09 ON 22 SEP 2006

FILE 'HCAPLUS' ENTERED AT 14:22:09 ON 22 SEP 2006
L14 TRA L1 1- RN : 12 TERMS

FILE 'REGISTRY' ENTERED AT 14:22:10 ON 22 SEP 2006
L15 12 SEA L14
L16 5 L15 AND NC5/ES AND NC2NC2/ES
L17 1 C18H16CLF3N6 AND NC5/ES AND NC2NC2/ES

FILE 'HCAPLUS' ENTERED AT 14:23:36 ON 22 SEP 2006
L18 1 L17
L19 1 L18 AND L1-13

FILE 'REGISTRY' ENTERED AT 14:23:44 ON 22 SEP 2006
L20 STR
L21 0 L20
L22 8 L20 FULL
SAV TEM WAR563F0/A L22

FILE 'HCAPLUS' ENTERED AT 14:27:09 ON 22 SEP 2006
L23 3 L22
L24 1 L23 AND L1-13
L25 2 L23 NOT L24

FILE 'HCAOLD' ENTERED AT 14:27:46 ON 22 SEP 2006
L26 0 L22,L17

FILE 'USPATFULL, USPAT2' ENTERED AT 14:27:54 ON 22 SEP 2006
L27 1 L17
L28 3 L22

FILE 'MEDLINE' ENTERED AT 14:28:22 ON 22 SEP 2006
L29 0 L26

FILE 'EMBASE' ENTERED AT 14:28:36 ON 22 SEP 2006
L30 0 L29

FILE 'BIOSIS' ENTERED AT 14:28:42 ON 22 SEP 2006
L31 0 L29

FILE 'HCAPLUS' ENTERED AT 14:29:13 ON 22 SEP 2006
L32 3 L19,L23-25

=>

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FILE 'REGISTRY' ENTERED AT 14:26:56 ON 22 SEP 2006
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provided by InfoChem.

STRUCTURE FILE UPDATES: 21 SEP 2006 HIGHEST RN 908228-18-2
DICTIONARY FILE UPDATES: 21 SEP 2006 HIGHEST RN 908228-18-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

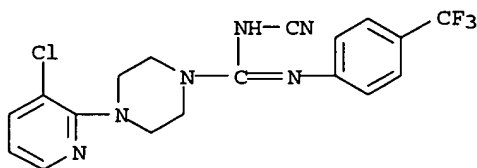
Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d ide can l17 tot

L17 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 642457-84-9 REGISTRY
ED Entered STN: 28 Jan 2004
CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-
(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)
MF C18 H16 Cl F3 N6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

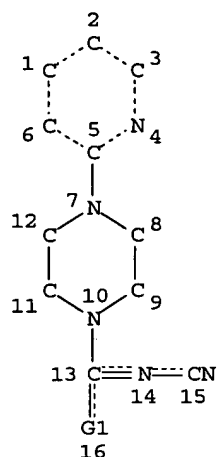


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:94064

=> d que sta l22
L20 STR



VAR G1=N/O/S
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
 L22 8 SEA FILE=REGISTRY SSS FUL L20

100.0% PROCESSED 218 ITERATIONS 8 ANSWERS
 SEARCH TIME: 00.00.01

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 FILE 'HCAPLUS' ENTERED AT 14:29:53 ON 22 SEP 2006
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FILE COVERS 1907 - 22 Sep 2006 VOL 145 ISS 14
 FILE LAST UPDATED: 21 Sep 2006 (20060921/ED)

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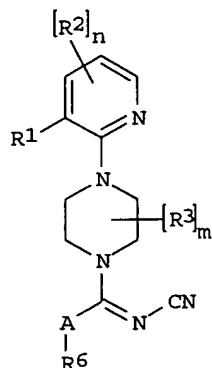
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr retable 132 tot

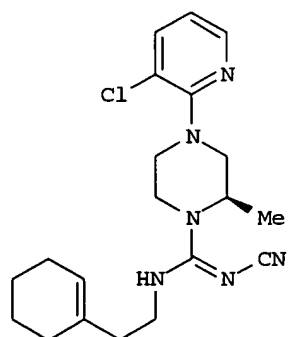
L32 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:20683 HCAPLUS
 DN 140:94064
 TI Preparation of cyanoiminopiperazines for treating pain
 IN Kyle, Donald J.; Sun, Qun; Tafesse, Laykea;
 Zhang, Chongwu; Zhou, Xiaoming
 PA Euro-Celtique, S. A., Luxembourg
 SO PCT Int. Appl., 287 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO2004002983	A2	20040108	2003WO-US20509	20030627 <--	
	WO2004002983	A3	20040318			
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	CA---2491079	AA	20040108	2003CA-2491079	20030627 <--	
	AU2003247829	A1	20040119	2003AU-0247829	20030627 <--	
	US2004106625	A1	20040603	2003US-0607563	20030627 <--	
	BR2003012322	A	20050412	2003BR-0012322	20030627 <--	
	EP---1556354	A2	20050727	2003EP-0762220	20030627 <--	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK		
	CN---1678585	A	20051005	2003CN-0820137	20030627 <--	
	JP2005535731	T2	20051124	2004JP-0549842	20030627 <--	
	NO2005000371	A	20050317	2005NO-0000371	20050124 <--	
PRAI	2002US-391962P	P	20020628	<--		
	2002US-411030P	P	20020917	<--		
	2002US-413148P	P	20020925	<--		
	2002US-416582P	P	20021008	<--		
	2003WO-US20509	W	20030627			
OS	MARPAT 140:94064					
GI						



I



II

AB The title compds. [I; A = NR4, O, S; R1 = halo, Me, NO2, CN, etc.; R2 = halo, CN, alkyl, aryl, etc.; R3 is not defined; R4 = alkyl, alkoxy; R6 = Ph, naphthyl, cycloalkyl, etc.; n = 0-3; m = 0-2], useful for treating or preventing pain, urinary incontinence, ulcer, inflammatory bowel disease,

irritable bowel syndrome, addictive disorder, Parkinson's disease, parkinsonism, anxiety, epilepsy, stroke, seizure, a pruritic condition, psychosis, cognitive disorder, memory deficit, restricted brain function, Huntington's chorea, amyotrophic lateral sclerosis, dementia, retinopathy, muscle spasm, migraine, vomiting, dyskinesia or depression in an animal, were prepared. Thus, reacting 2-(1-cyclohexenyl)ethylamine with diphenylcyanocarbodimide in 2-methoxyethyl ether followed by addition of (R)-1-(3-chloropyridin-2-yl)-3-methylpiperazine afforded II which showed IC₅₀ of 59.4±13.1 nM in capsaicin-based VR1 assay. The compds. I were tested for binding to mGluR5, mGluR1, and to VR1. The pharmaceutical composition comprising the compound I is claimed.

IT 642457-82-7P 642457-83-8P 642457-84-9P

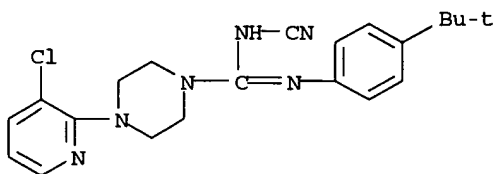
642457-85-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of cyanoiminopiperazines for treating pain)

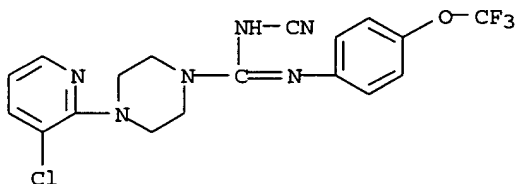
RN 642457-82-7 HCAPLUS

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(1,1-dimethylethyl)phenyl]- (9CI) (CA INDEX NAME)



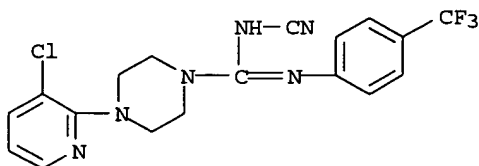
RN 642457-83-8 HCAPLUS

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-84-9 HCAPLUS

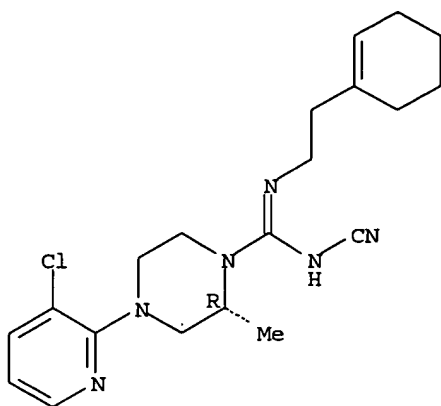
CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-85-0 HCAPLUS

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[2-(1-cyclohexen-1-yl)ethyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L32 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2002:171686 HCAPLUS
 DN 136:232324
 TI Preparation of antiviral and antimicrobial substituted guanidines or
 biguanidines
 IN Shetty, B. Vithal
 PA USA
 SO PCT Int. Appl., 148 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO2002017916	A1	20020307	2001WO-US26150	20010822	
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	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	US---6699989	B1	20040302	2000US-0649014	20000828	
	AU2001086604	A5	20020313	2001AU-0086604	20010822	
	EP---1406619	A1	20040414	2001EP-0966061	20010822	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
	US2004132993	A1	20040708	2003US-0720441	20031125	
PRAI	2000US-0649014	A1	20000828			
	2001WO-US26150	W	20010822			
OS	MARPAT 136:232324					
GI						

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Guanidine and biguanidine derivs. of formulas I-V [X = B or CRB; R = H or alkyl and B = (un)substituted alkyl, alkyl-X1-alkyl where X1 = O, S, sulfoxide, tris(2-aminoethyl)amine, N optionally substituted with NHC(NH)NHC(NH)A, (un)substituted heterocycle, (un)substituted-aryl, -cyclohexane, etc.; A = independently H, CN, amino, quinolone, azaquinolone, morpholine, (un)substituted piperazine, (un)substituted

aminoadamantane, etc.; Z = C(NH)NHC(NH)A; X2 = (un)substituted-alkyl, -aryl, -heterocycle, or bond; X3 = (CH2)n where n = 1-5; Y1 and Y2 independently = (un)substituted-alkyl, -aryl, -heterocycle, or bond; T = H, alkyl, (un)substituted-aryl, -heterocycle; m = 0-12; p = 0-8] are prepared and disclosed as anti-viral and anti-bacterial agents. Thus, VI was prepared via substitution of 7-chloro-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-quinoline carboxylic acid with piperazine and subsequent addition to hexamethylene bis(cyanoguanidine). VI was found active against HIV at concns. greater than 3.2µg/mL in peripheral blood mononuclear cell assay. Also disclosed are pharmaceutical compns. containing I-V as an active ingredient, and anti-viral and anti-bacterial methods utilizing such compds.

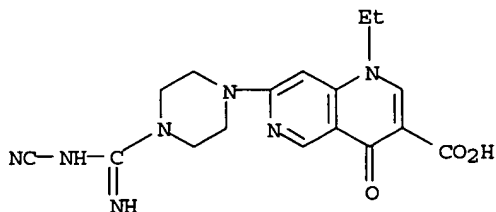
IT 402930-32-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(target compound; preparation of antiviral and antimicrobial substituted guanidine or biguanidines)

RN 402930-32-9 HCAPLUS

CN 1,6-Naphthyridine-3-carboxylic acid, 7-[4-[(cyanoamino)iminomethyl]-1-piperazinyl]-1-ethyl-1,4-dihydro-4-oxo- (9CI) (CA INDEX NAME)



RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Harris, R	1981	34	623	Australian Journal o	HCAPLUS

L32 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:205054 HCAPLUS

DN 110:205054

TI 5-(1-Piperazinyl)-1H-1,2,4-triazol-3-amines as antihypertensive agents

AU Meyer, Walter E.; Tomcufcik, Andrew S.; Chan, Peter S.; Haug, Margie

CS Lederle Lab., Am. Cyanamid Co., Pearl River, NY, 10965, USA

SO Journal of Medicinal Chemistry (1989), 32(3), 593-7

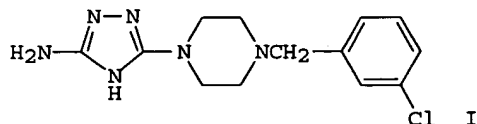
CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

OS CASREACT 110:205054

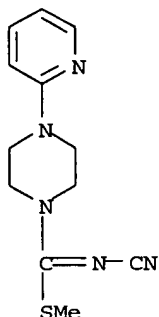
GI



AB A series of 5-(1-piperazinyl)-1H-1,2,4-triazol-3-amines was synthesized and screened for antihypertensive and diuretic activity in spontaneously hypertensive rats (SHR). One compound, 5-[4-[(3-chlorophenyl)methyl]-1-piperazinyl]-1H-1,2,4-triazol-3-amine (I), was selected to define the mechanism of its antihypertensive activity. Studies in spontaneously

hypertensive rats suggest ganglionic blocking activity. Short-lived antihypertensive activity was observed in conscious renal hypertensive dogs. Structure-activity relationships are discussed. None of the prepared and tested compds. had diuretic activity.

IT 118630-52-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction with hydrazine hydrate)
 RN 118630-52-7 HCAPLUS
 CN 1-Piperazinecarboximidothioic acid, N-cyano-4-(2-pyridinyl)-, methyl ester (9CI) (CA INDEX NAME)



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FILE 'USPATFULL' ENTERED AT 14:30:20 ON 22 SEP 2006
 CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:30:20 ON 22 SEP 2006
 CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

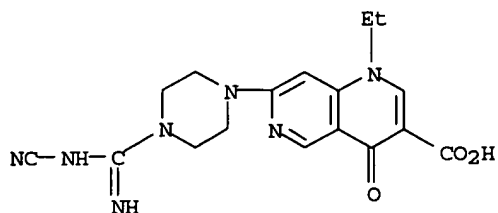
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L28 ANSWER 1 OF 3 USPATFULL on STN
 AN 2004:172829 USPATFULL
 TI Antiviral and antimicrobial guanidine or biguanidine derivatives
 IN Shetty, B. Vithal, Germantown, MD, UNITED STATES
 PI US2004132993 A1 20040708
 AI 2003US-0720441 A1 20031125 (10)
 RLI Continuation of Ser. No. 2000US-0649014, filed on 28 Aug 2000, GRANTED, Pat. No. US---6699989
 DT Utility
 FS APPLICATION
 LREP ROTHWELL, FIGG, ERNST & MANBECK, P.C., 1425 K STREET, N.W., SUITE 800, WASHINGTON, DC, 20005
 CLMN Number of Claims: 21
 ECL Exemplary Claim: 1
 DRWN 4 Drawing Page(s)
 LN.CNT 1575
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed are guanidine and biguanidine derivatives which have anti-viral and anti-bacterial activity. Also disclosed are pharmaceutical compositions containing such compounds as an active ingredient, and anti-viral and anti-bacterial methods utilizing such compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 402930-32-9P
 (target compound; preparation of antiviral and antimicrobial substituted guanidine or biguanidines)

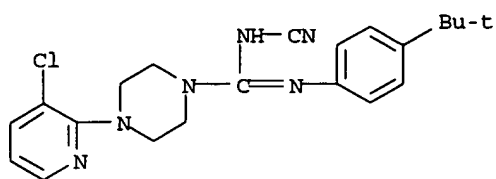
RN 402930-32-9 USPATFULL
 CN 1,6-Naphthyridine-3-carboxylic acid, 7-[4-[(cyanoamino)iminomethyl]-1-piperazinyl]-1-ethyl-1,4-dihydro-4-oxo- (9CI) (CA INDEX NAME)



L28 ANSWER 2 OF 3 USPATFULL on STN
 AN 2004:139449 USPATFULL
 TI Therapeutic agents useful for treating pain
 IN Kyle, Donald J., Newtown, PA, UNITED STATES
 Sun, Qun, Princeton, NJ, UNITED STATES
 Tafesse, Laykea, Robbinsville, NJ, UNITED STATES
 Zhang, Chongwu, Dayton, NJ, UNITED STATES
 Zhou, Xiaoming, Plainsboro, NJ, UNITED STATES
 PI US2004106625 A1 20040603
 AI 2003US-0607563 A1 20030627 (10)
 PRAI 2002US-391962P 20020628 (60)
 2002US-411030P 20020917 (60)
 2002US-413148P 20020925 (60)
 2002US-416582P 20021008 (60)
 DT Utility
 FS APPLICATION
 LREP JONES DAY, 51 Louisiana Avenue, N.W, WASHINGTON, DC, 20001-2113
 CLMN Number of Claims: 236
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 8691
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A compound of formula: ##STR1##

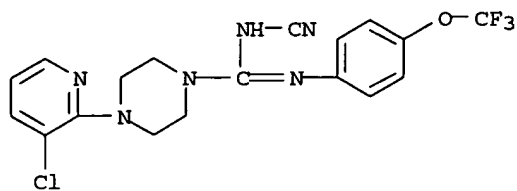
wherein A, Ar, R^{sup.3}, R^{sup.6}, and m are disclosed herein, or a pharmaceutically acceptable salt thereof (a "Cyanoiminopiperazine Compound"), compositions comprising an effective amount of a Cyanoiminopiperazine Compound, and methods for treating or preventing pain, urinary incontinence, an ulcer, inflammatory-bowel disease, irritable-bowel syndrome, an addictive disorder, Parkinson's disease, parkinsonism, anxiety, epilepsy, stroke, a seizure, a pruritic condition, psychosis, a cognitive disorder, a memory deficit, restricted brain function, Huntington's chorea, amyotrophic lateral sclerosis, dementia, retinopathy, a muscle spasm, a migraine, vomiting, dyskinesia or depression in an animal comprising administering to an animal in need thereof an effective amount of a Cyanoiminopiperazine Compound are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 642457-82-7P 642457-83-8P 642457-84-9P
 642457-85-0P
 (preparation of cyanoiminopiperazines for treating pain)
 RN 642457-82-7 USPATFULL
 CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(1,1-dimethylethyl)phenyl]- (9CI) (CA INDEX NAME)



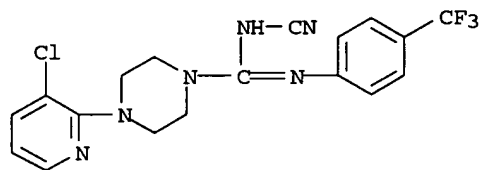
RN 642457-83-8 USPATFULL

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-84-9 USPATFULL

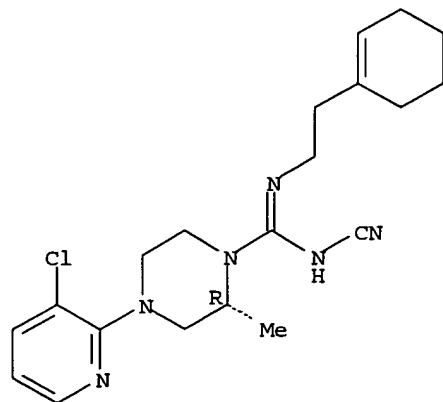
CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 642457-85-0 USPATFULL

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-[2-(1-cyclohexen-1-yl)ethyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L28 ANSWER 3 OF 3 USPATFULL on STN

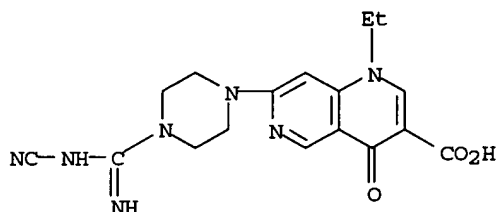
AN 2004:53414 USPATFULL

TI Antiviral and antimicrobial guanidine or biguanidine derivatives

IN Shetty, B. Vithal, 14438 Long Channel Cir., Germantown, MD, United States 20874
 PI US---6699989 B1 20040302
 AI 2000US-0649014 20000828 (9)
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Coleman, Brenda
 LREP Rothwell, Figg, Ernst & Manbeck, P.C.
 CLMN Number of Claims: 2
 ECL Exemplary Claim: 1
 DRWN 4 Drawing Figure(s); 4 Drawing Page(s)
 LN.CNT 1297
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Disclosed are guanidine and biguanidine derivatives which have anti-viral and anti-bacterial activity. Also disclosed are pharmaceutical compositions containing such compounds as an active ingredient, and anti-viral and anti-bacterial methods utilizing such compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 402930-32-9P
 (target compound; preparation of antiviral and antimicrobial substituted guanidine or biguanidines)
 RN 402930-32-9 USPATFULL
 CN 1,6-Naphthyridine-3-carboxylic acid, 7-[4-[(cyanoamino)iminomethyl]-1-piperazinyl]-1-ethyl-1,4-dihydro-4-oxo- (9CI) (CA INDEX NAME)



=> d bib abs hitstr 127 tot

L27 ANSWER 1 OF 1 USPATFULL on STN
 AN 2004:139449 USPATFULL
 TI Therapeutic agents useful for treating pain
 IN Kyle, Donald J., Newtown, PA, UNITED STATES
 Sun, Qun, Princeton, NJ, UNITED STATES
 Tafesse, Laykea, Robbinsville, NJ, UNITED STATES
 Zhang, Chongwu, Dayton, NJ, UNITED STATES
 Zhou, Xiaoming, Plainsboro, NJ, UNITED STATES
 PI US2004106625 A1 20040603
 AI 2003US-0607563 A1 20030627 (10)
 PRAI 2002US-391962P 20020628 (60)
 2002US-411030P 20020917 (60)
 2002US-413148P 20020925 (60)
 2002US-416582P 20021008 (60)
 DT Utility
 FS APPLICATION
 LREP JONES DAY, 51 Louisiana Aveue, N.W, WASHINGTON, DC, 20001-2113
 CLMN Number of Claims: 236
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 8691
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A compound of formula: ##STR1##

wherein A, Ar, R.sup.3, R.sup.6, and m are disclosed herein, or a pharmaceutically acceptable salt thereof (a "Cyanoiminopiperazine Compound"), compositions comprising an effective amount of a Cyanoiminopiperazine Compound, and methods for treating or preventing pain, urinary incontinence, an ulcer, inflammatory-bowel disease, irritable-bowel syndrome, an addictive disorder, Parkinson's disease, parkinsonism, anxiety, epilepsy, stroke, a seizure, a pruritic condition, psychosis, a cognitive disorder, a memory deficit, restricted brain function, Huntington's chorea, amyotrophic lateral sclerosis, dementia, retinopathy, a muscle spasm, a migraine, vomiting, dyskinesia or depression in an animal comprising administering to an animal in need thereof an effective amount of a Cyanoiminopiperazine Compound are disclosed.

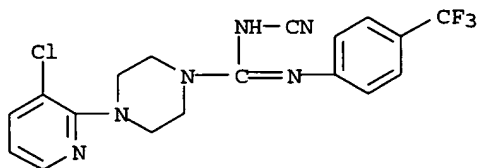
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 642457-84-9P

(preparation of cyanoiminopiperazines for treating pain)

RN 642457-84-9 USPTAFULL

CN 1-Piperazinecarboximidamide, 4-(3-chloro-2-pyridinyl)-N-cyano-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 14:17:24 ON 22 SEP 2006)

FILE 'HCAPLUS' ENTERED AT 14:17:29 ON 22 SEP 2006

L1 1 US2004106625/PN OR (US2003-607563 OR US2002-411030# OR US2002-3
E KYLE D/AU
L2 203 E3-10,E26-32
E SUN Q/AU
L3 289 E3-15
E SUN QUN/AU
L4 241 E3-14
E TAFESSE L/AU
L5 22 E3-4
E ZHANG C/AU
L6 1895 E3-26
E ZHANG CHONG/AU
L7 62 E3,E20
E ZHANG CHONGWU/AU
L8 11 E3
E ZHOU X/AU
L9 1511 E3-27
E ZHOU XIAO/AU
L10 138 E3,E57
E ZHOU XIAOMING/AU
L11 96 E3
L12 0 (EURO CHELTIQUE)/CS,PA
L13 259 (EURO CELTIQUE)/CS,PA

FILE 'REGISTRY' ENTERED AT 14:22:09 ON 22 SEP 2006

FILE 'HCAPLUS' ENTERED AT 14:22:09 ON 22 SEP 2006

L14 TRA L1 1- RN : 12 TERMS

noble jarrell 22/09/2006

FILE 'REGISTRY' ENTERED AT 14:22:10 ON 22 SEP 2006
L15 12 SEA L14
L16 5 L15 AND NC5/ES AND NC2NC2/ES
L17 1 C18H16CLF3N6 AND NC5/ES AND NC2NC2/ES

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L18 1 L17
L19 1 L18 AND L1-13

FILE 'REGISTRY' ENTERED AT 14:23:44 ON 22 SEP 2006
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L21 0 L20
L22 8 L20 FULL
SAV TEM WAR563F0/A L22

FILE 'HCAPLUS' ENTERED AT 14:27:09 ON 22 SEP 2006
L23 3 L22
L24 1 L23 AND L1-13
L25 2 L23 NOT L24

FILE 'HCAOLD' ENTERED AT 14:27:46 ON 22 SEP 2006
L26 0 L22,L17

FILE 'USPATFULL, USPAT2' ENTERED AT 14:27:54 ON 22 SEP 2006
L27 1 L17
L28 3 L22

FILE 'MEDLINE' ENTERED AT 14:28:22 ON 22 SEP 2006
L29 0 L26

FILE 'EMBASE' ENTERED AT 14:28:36 ON 22 SEP 2006
L30 0 L29

FILE 'BIOSIS' ENTERED AT 14:28:42 ON 22 SEP 2006
L31 0 L29

FILE 'HCAPLUS' ENTERED AT 14:29:13 ON 22 SEP 2006
L32 3 L19,L23-25

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